# Math Major Checklist

**Name:** _________________________________  
**Advisor:** ________________________________  
**ID:** ________________________  
**Expected grad qtr?** ________________

**Requirement:** 49 units of Math courses, must be letter grade, at least 24 must be taken at Stanford

<table>
<thead>
<tr>
<th>Course</th>
<th>Qtr/Year</th>
<th>Units</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Units- Calculus (19, 20, 21, or 41, 42, or AP Credit)</td>
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<tr>
<td>51 or 61CM or 61DM</td>
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<tr>
<td>52 or 62CM or 62DM</td>
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<tr>
<td>53 or 63CM or 63DM</td>
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</table>

**Total units:**

**Notes:**

**Other Math Courses**  
*101 taken 2015-16 or after

<table>
<thead>
<tr>
<th>Stats 116, Phil 151 &amp; 152, and Math Soph Sems OK</th>
<th>WIM?</th>
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**Total Math Units (incl Calc & 50 or 60 series):**

**Electives**

**Requirement:** 15 units of Math courses 101 or above, or approved courses from other depts  
9 must be letter grade, at least 9 must be taken at Stanford

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>121, 122, 152, 154, 155</td>
</tr>
<tr>
<td>Analysis</td>
<td>* 132, 136, 151, 172, 173, 175</td>
</tr>
<tr>
<td>Geometry/Topology</td>
<td>143, 145, 146, 147, 148</td>
</tr>
</tbody>
</table>

*131P allowed if Honors declared before 2016-17

**During senior year 6 units of 197 usually spread over 2 quarters**  
**Quarter taken:** __________  
**Units:** __________  
**One grad level class is recommended:**  
205A, 210A, 215A or B

For Honors Majors

Honors Adviser (must be chosen by end of junior year)

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Major courses must include:

- Math 106 or 116
- Math 120
- Math 171
- 7 addtl 3-unit Math courses, 121 or higher
  - Phil 151 & 152 OK
  - list courses: __________  
  - __________  
  - __________  
  - __________  
  - __________  

The 7 courses must include at least one course in each of the following categories (circle courses):

- Algebra: 121, 122, 152, 154, 155
- Analysis: * 132, 136, 151, 172, 173, 175
- Geometry/Topology: 143, 145, 146, 147, 148
  - *131P allowed if Honors declared before 2016-17
- During senior year 6 units of 197 usually spread over 2 quarters
- Quarter taken: __________  
- Units: __________  
- One grad level class is recommended: 205A, 210A, 215A or B